

## Claims:

1. A load-sharing server sharing resources with a plurality of servers connected to a computer network, the server comprising:

a network connection;

an association between servers containing the highest availability and plurality of virtual hosts contained on a plurality of servers; and

a server, said server having the highest availability and being in communication with said association, wherein at least one corresponding virtual host provides a connection to a client over a computer network, said client being in communication with said server over said computer network connection.

2. A method of configuring a load-sharing server sharing resources with a plurality of servers connected to a computer network, the method comprising:

configuring an association between servers containing the highest availability and plurality of virtual hosts contained on a plurality of servers; and

configuring a server, said server having the highest availability and being in communication with said association, said at least one corresponding virtual host providing a connection to a client over a computer network, said client being in communication with said server over a network connection.

3. The method of claim 2 further comprising configuring static information using a master configuration file to propagate the information.

4. The method of claim 2 wherein configuring the server comprises using a master configuration file to manage information accessed by use of a virtual private network.

5. The method of claim 2 further comprising validating dynamic configuration information.

6. The method of claim 5 wherein validating dynamic configuration information comprises sequentially running a predetermined series of algorithms.

7. The method of claim 5 further comprising controlling a sequence for sequentially running of the predetermined series of algorithms, the controlling based on results of a previous test.

8. The method of claim 5, wherein validating dynamic information comprises examining functionality of DNS-based services.

9. The method of claim 2, further comprising said server dynamically adding at least one of said computers to distributed interconnection with other computers in a distributed set of system platforms.

10. The method of claim 9, wherein said adding is performed on a real time basis.

11. The method of claim 2, further comprising said server dynamically adding at least one of said computers to distributed interconnection with other computers in a distributed set of subsystem platforms.

12. The method of claim 11, wherein said adding is performed on a real time basis.

13. The method of claim 2, further comprising said server dynamically removing at least one of said computers from distributed interconnection with other computers in a distributed set of system platforms.

14. The method of claim 13, wherein said removing is performed on a real time basis.

15. The method of claim 2, further comprising said server dynamically removing at least one of said computers from distributed interconnection with other computers in a distributed set of subsystem platforms.

16. The method of claim 15, wherein said removing is performed on a real time basis.

17. A method of providing loadsharing using a plurality of computers, the method comprising:

receiving a network connection request;

accessing a database using DNS to select a computer from a plurality of computers, wherein the database includes availability data, configuration data, and load information corresponding to each computer in the plurality,

dynamically performing loadsharing using the plurality of computers based on load information, availability data, and configuration data; and

providing a connection to a client over a computer network, said client being in communication with said server over a network connection.

18. The method of claim 17, further comprising using DNS to translate a universal resource locator (URL) into an Internet protocol (IP) address.

19. The method of claim 17, wherein the server comprises a loadsharing agent, the method further comprising the server using said loadsharing agent to loadshare traffic requests received from said network between selections from the group consisting of: computers connected to said computer network and clients located on said computers.